

IN THE CLAIMS

Claim 1 (original): Cylinder (1) for receptacle of a printing form, which (1) is rotatable about its principal symmetry axis during a printing operation and which (1) comprises at least one first sleeve (20), which (20) contains carbon fiber reinforced plastic, characterized in that the majority of the carbon fibers in the plastic are aligned essentially parallel to the principal symmetry axis of the cylinder (1).

Claim 2 (original): Cylinder according to claim 1, characterized in that the angular deviation between the principal symmetry axis of the cylinder (1) and the majority of the carbon fibers is less than 10°.

Claim 3 (original): Cylinder according to claim 2, characterized in that the angular deviation between the principal symmetry axis of the cylinder (1) and the majority of the carbon fibers is less than 5°.

Claim 4 (original): Cylinder according to claim 1, characterized in that the angular deviation between the principal symmetry axis of the cylinder (1) and the majority of the carbon fibers is less than 2°.

Claim 5 (currently amended): Cylinder according to claim 1 ~~one of the preceding claims~~, characterized in that the first sleeve (20) contains pultruded carbon fiber reinforced plastic.

Claim 6 (currently amended): Cylinder according to claim 1 ~~one of the preceding claims~~, characterized in that devices for absorbing the torsional stress (2, 3, 4), which are so arranged that they

absorb at least a part of the torsional stress, which acts on the first sleeve particularly during a change in the speed.

Claim 7 (currently amended): Cylinder according to claim 1 ~~one of the preceding claims~~, characterized in that there is at least one more sleeve (4), which is produced with a different method, and/or an alternative material.

Claim 8 (original): Cylinder according to the preceding claim, characterized in that the additional sleeve (4) is made of a plastic composite material.

Claim 9 (original): Cylinder according to the preceding claim, characterized in that plastic composite material of the additional sleeve (4) is a wound or spun CFRP or GFRP.

Claim 10 (original): Cylinder according to the preceding claim, characterized in that the additional sleeve (4) is made of metal.

Claim 11 (currently amended): Cylinder according to claim 1 ~~one of the preceding claims~~, characterized in that at least one of the first sleeves (20) and the additional sleeves (4) are connected with each other, whereby the external circumferential area of one of the two sleeves (4, 20) and the internal circumferential area of the other sleeve (4, 20) are connected.

Claim 12 (original): Cylinder according to claim 10, characterized in that the connection consists a substance capable of adhesion.

Claim 13 (currently amended): Cylinder according to claim 1 ~~one of the preceding claims~~, characterized in that the length of the majority of the carbon fibers in the first sleeve (20) lies in the range between 90 and 100% of the length of the first sleeve (20).

Claim 14 (currently amended): Cylinder according to claim 1 ~~one of the preceding claims~~, characterized in that the length of the majority of the carbon fibers in the first sleeve (20) lies in a range between 95% and 100% of the length of the first sleeve.

Claim 15 (currently amended): Method for production of a cylinder (1) according to claim 1 ~~one of the preceding claims~~, characterized in that the first sleeve (20) is produced through the pultration method.

Claim 16 (currently amended): Method according to claim 1 ~~one of the preceding claims~~, characterized in that the first sleeve (20) is obtained from a long pipe produced through the pultration method, whereby the length of the first sleeve (20) is defined by sawing or an alternative method of separation.

Claim 17 (currently amended): Method according to claim 1 ~~one of the preceding claims~~, characterized in that an additional sleeve is mounted on the first sleeve (20) or the long pipe, by winding or spinning fibers on the circumferential area of the first sleeve, which fibers are embedded in a plastic matrix.

Claim 18 (currently amended): Cylinder according to claim 6 ~~one of the claims 6 to 17~~, characterized in that the device for absorbing the torsional stress comprises at least one ring.

Claim 19 (currently amended): Cylinder according to claim 1 ~~one of the preceding claims~~, characterized in that at least one ring is arranged within the sleeve 7.

Claim 20 (currently amended): Cylinder according to claim 18 ~~one of the two preceding claims~~, characterized in that at least one of the

rings contains carbon fibers, which are aligned along the radial direction of the ring.

Claim 21 (currently amended): Cylinder according to claim 18 ~~one of the three preceding claims~~, characterized in that at least one of the rings contains a metal.

Claim 22 (original): Cylinder according to the preceding claim, characterized in that at least one of the rings is metal ring, preferably a steel ring.

Claim 23 (currently amended): Cylinder according to claim 18 ~~one of the five preceding claims~~, characterized in that at least one of the rings has a cross sectional area, which deviates from the rectangular form.

Claim 24 (original): Cylinder according to the preceding claim, characterized in that at least one of the rings has a u-shaped profile.